

Amendments to the Claims

1. (*Currently Amended*) Voltage controlled oscillator comprising a LC tank circuit (~~L, C,~~
~~R~~) coupled to modulator means (~~2~~) and characterized in that the modulator means (~~2~~) are coupled to amplifier means (~~1~~) via an adder (~~3~~) for generating a quadrature periodical output signal having a frequency in a relative wide range, the frequency being controlled by a control signal (~~V₁~~) provided to the modulator means (~~2~~).
2. (*Currently Amended*) An oscillator as claimed in claim 1, wherein the modulator means (~~2~~) comprises a series coupling of a buffer (~~20~~) and a modulator (~~21~~).
3. (*Currently Amended*) An oscillator as claimed in claim 1, wherein the amplifier means (~~1~~) comprise a series coupling of an another buffer (~~10~~) and an amplifier (~~11~~).
4. (*Currently Amended*) An oscillator as claimed in claim 3, wherein the amplifier (~~11~~) is a transconductance amplifier.
5. (*Currently Amended*) An oscillator as claimed in claim 1, wherein the amplifier means (~~1~~) is a transconductance amplifier (~~11~~), the modulator means (~~2~~) is a Gilbert cell modulator (~~21~~) and the adder (~~3~~) is a node.
6. (*Currently Amended*) A phase locked loop comprising an oscillator as ~~claimed in any of the preceding claims~~ as claimed in claim 1 for use in a large tuning TV tuner.